

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin Dakota			Formation Dakota			County San Juan		
Initial I		Annual		Special		Date of Test 10-10-65		
Company Tenneco Oil Co.				Lease Ouler			Well No. A-6	
Unit M	Sec. 36	Twp. 28 N	Range 10 W		Purchaser			
Casing 4.5	Wt. 11.6	I.D.	Set at 6670		Perf. 6388	To 6553		
Tubing 2.375	Wt. 4.7	I.D.	Set at 6496		Perf.	To		
Gas Pay:	From	To	L	G .650	GL	Bar. Press. 12.0		
Producing Through:		Casing	Tubing I		Type Well - Single - Braden head - G.G. or G.O. Dual			
Date of Completion		Packer		Reservoir Temp. 170				

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4				1831		1822		3 hrs
2.						662	70	1378		
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF F.D. @ 15,025 psia
1.	12.3650		674	.9905	.9608	1.068	8467
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c _____ (1-e^{-S}) _____ P_c **1843** P_c² **3396649**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	1390					1932100	1464549		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **15,910** MCFPD; n **.75** **1.8791**

COMPANY Tenneco Oil Company WITNESSED _____

ADDRESS P. C. Box 1714, Durango, Colorado COMPANY _____

AGENT AND TITLE J. E. Massey
District Production Engineer

